

10040221_CLSTITLES.txt

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10040221 on February 26, 2003

10 701/213 (0 OR, 10 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/213 ..Using Global Positioning System (GPS)

8 455/456 (3 OR, 5 XR)
Class 455 : TELECOMMUNICATIONS
455/403 RADIOTELEPHONE SYSTEM
455/422 .Zoned or cellular telephone system
455/456 ..Location monitoring

7 340/988 (3 OR, 4 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION

7 701/207 (6 OR, 1 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment

6 342/457 (0 OR, 6 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/450 .Position indicating (e.g., triangulation)
342/457 ..Land vehicle location (e.g., bus, police car

6 701/208 (1 OR, 5 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/208 ..For use in a map data base system

5 701/301 (2 OR, 3 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/300 RELATIVE LOCATION
701/301 .Collision avoidance

10040221_CLSTITLES.txt

4 340/991 (0 OR, 4 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION
340/989 .At remote location
340/991 ..Position indication transmitted by vehicle
after receipt of information from local sta
tion

4 340/995 (1 OR, 3 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION
340/995 .Map display

4 342/357.06 (0 OR, 4 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)

4 342/357.08 (2 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)
342/357.08Determining relative position (e.g.,
distance or direction)

4 342/357.13 (1 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)
342/357.13With storage device (i.e., map or database

)

4 701/200 (0 OR, 4 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND

10040221_CLSTITLES.txt

RELATIVE LOCATION

701/200 NAVIGATION

4 701/214 (1 OR, 3 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/213 ..Using Global Positioning System (GPS)

701/214 ...Means to improve accuracy of position or
location

3 246/122R (1 OR, 2 XR)

Class 246 : RAILWAY SWITCHES AND SIGNALS

246/122R TRAIN-POSITION INDICATION

3 342/357.01 (0 OR, 3 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

342/350 DIRECTIVE

342/352 .Including a satellite

342/357.01 ..With position indicating

3 701/215 (0 OR, 3 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/213 ..Using Global Positioning System (GPS)

701/214 ...Means to improve accuracy of position or
location

701/215Having multiple GPS antennas or receivers
(e.g., differential GPS)

3 707/101 (1 OR, 2 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES

707/100 DATABASE SCHEMA OR DATA STRUCTURE

707/101 .Manipulating data structure (e.g.,
compression, compaction, compilation)

3 707/200 (1 OR, 2 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES

707/200 FILE OR DATABASE MAINTENANCE

3 707/201 (1 OR, 2 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE

10040221_CLSTITLES.txt
MANAGEMENT OR DATA STRUCTURES
707/200 FILE OR DATABASE MAINTENANCE
707/201 .Coherency (e.g., same view to multiple users)

3 707/202 (0 OR, 3 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES
707/200 FILE OR DATABASE MAINTENANCE
707/201 .Coherency (e.g., same view to multiple users)

707/202 ..Recoverability

3 707/203 (2 OR, 1 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES
707/200 FILE OR DATABASE MAINTENANCE
707/201 .Coherency (e.g., same view to multiple users)

707/203 ..Version management

2 37/348 (0 OR, 2 XR)
Class 037 : EXCAVATING
37/347 DITCHER
37/348 .Condition responsive

2 37/414 (0 OR, 2 XR)
Class 037 : EXCAVATING
37/411 SCOOP OR EXCAVATING AND TRANSPORTING CONTAINER
37/412 .Supported on vehicle between longitudinally
spaced ground supports
37/414 ..Condition responsive or programmable means
controls the excavating operation

2 73/178R (0 OR, 2 XR)
Class 073 : MEASURING AND TESTING
73/178R NAVIGATION

2 111/130 (0 OR, 2 XR)
Class 111 : PLANTING
111/130 BROADCASTING

2 198/349.95 (0 OR, 2 XR)
Class 198 : CONVEYORS: POWER-DRIVEN
198/348 CONVEYOR ARRANGEMENT FOR SELECTING AMONG PLURA

10040221 CLSTITLES.txt

198/349 .With selection responsive to means containing
instructions or introducing changeable operating inst
ructions

198/349.5 ..Using central memory to store code until
article is discharged

198/349.6 ...Memory stores plural sources or destination
s

198/349.95Conveyor detector indexes code

2 221/1 (0 OR, 2 XR)
Class 221 : ARTICLE DISPENSING
221/1 PROCESSES

2 239/1 (0 OR, 2 XR)
Class 239 : FLUID SPRINKLING, SPRAYING, AND DIFFUSING
239/1 PROCESSES

2 318/590 (0 OR, 2 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/560 POSITIONAL SERVO SYSTEMS (E.G.,
SERVOMECHANISMS)
318/590 .Multiple mode systems

2 340/689 (0 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/500 CONDITION RESPONSIVE INDICATING SYSTEM
340/540 .Specific condition
340/686.1 ..Position responsive
340/689 ...Tilt

2 340/825.49 (0 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/825 SELECTIVE
340/825.36 .Having indication or alarm (e.g., location
indication)
340/825.49 ..Location indication

2 340/990 (1 OR, 1 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION
340/989 .At remote location
340/990 ..With map display

2 340/994 (0 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION
340/989 .At remote location

10040221_CLSTITLES.txt

340/994 ..Vehicle's arrival or expected arrival at
at remote remote location along route indicated at th
location (e.g., bus arrival systems)

2 342/107 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/104 DETERMINING VELOCITY
342/107 .Combined with determining distance and
direction

2 342/158 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/147 DETERMINING DIRECTION
342/158 .Scanning

2 342/29 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/29 AIRCRAFT COLLISION AVOIDANCE SYSTEM (CAS)

2 342/357.07 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)
342/357.07Tracking or monitoring (i.e., lost or
stolen vehicles)

2 342/357.09 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)
342/357.09With transmission of location-indicative
information to or from a remote station

2 342/357.1 (2 OR, 0 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES

10040221_CLSTITLES.txt

342/350 DIRECTIVE

342/352 .Including a satellite

342/357.01 ..With position indicating

342/357.06 ...Using Global Positioning Satellite (GPS or Glonass)

342/357.1Combined with telecommunication

2 342/357.12 (2 OR, 0 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES

342/350 DIRECTIVE

342/352 .Including a satellite

342/357.01 ..With position indicating

342/357.06 ...Using Global Positioning Satellite (GPS or Glonass)

342/357.12GPS receiver signal processing

2 342/357.17 (1 OR, 1 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES

342/350 DIRECTIVE

342/352 .Including a satellite

342/357.01 ..With position indicating

342/357.17 ...With particular action taken responsive to position

2 342/450 (1 OR, 1 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES

342/350 DIRECTIVE

342/450 .Position indicating (e.g., triangulation)

2 345/418 (1 OR, 1 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY

345/418 COMPUTER GRAPHICS PROCESSING SYSTEMS

2 345/419 (1 OR, 1 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY

345/418 COMPUTER GRAPHICS PROCESSING SYSTEMS

345/419 .Three-dimension

2 345/420 (1 OR, 1 XR)

10040221 CLSTITLES.txt

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY

 SYSTEMS

345/418 COMPUTER GRAPHICS PROCESSING

345/419 .Three-dimension

345/420 ..Solid modelling

2 345/634 (1 OR, 1 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY

 SYSTEMS

345/418 COMPUTER GRAPHICS PROCESSING

345/619 .Graphic manipulation (object processing or display attributes)

345/629 ..Merge or overlay

345/634 ...Image based

2 345/856 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY

 SYSTEMS

345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)

345/764 .On-screen workspace or object

345/856 ..Cursor

2 345/904 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY

 SYSTEMS

345/904 DISPLAY WITH FAIL/SAFE TESTING FEATURE

2 348/118 (0 OR, 2 XR)

Class 348 : TELEVISION

348/61 SPECIAL APPLICATIONS

348/113 .Navigation

348/118 ..Land vehicle

2 360/92 (1 OR, 1 XR)

Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR RETRIEVAL

360/88 RECORD TRANSPORT WITH HEAD STATIONARY DURING TRANSDUCING

360/90 .Tape record

10040221_CLSTITLES.txt

360/91 ..Plural tapes
360/92 ...Tape in container

2 369/30.48 (1 OR, 1 XR)

Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/24.01 INFORMATION LOCATION OR REMOTE OPERATOR
ACTUATED CONTROL
369/30.01 .Selective addressing of storage medium (e.g.,
programmed access)
369/30.03 ..Of optical storage medium
369/30.38 ...Plural optical storage media in library
system
369/30.4Plural media are discs stored in cartridge

s

369/30.48Having particular mechanism or slot for
transferring disc into library from outside

2 386/117 (2 OR, 0 XR)

Class 386 : TELEVISION SIGNAL PROCESSING FOR DYNAMIC
RECORDING OR REPRODUCING
386/46 PROCESSING OF TELEVISION SIGNAL FOR DYNAMIC
RECORDING OR REPRODUCING
386/117 .Including television camera

2 386/46 (0 OR, 2 XR)

Class 386 : TELEVISION SIGNAL PROCESSING FOR DYNAMIC
RECORDING OR REPRODUCING
386/46 PROCESSING OF TELEVISION SIGNAL FOR DYNAMIC
RECORDING OR REPRODUCING

2 434/118 (2 OR, 0 XR)

Class 434 : EDUCATION AND DEMONSTRATION
434/118 COMPUTER LOGIC, OPERATION, OR PROGRAMMING
INSTRUCTION

2 434/365 (0 OR, 2 XR)

Class 434 : EDUCATION AND DEMONSTRATION
434/365 MEANS FOR DEMONSTRATING APPARATUS, PRODUCT, OR
SURFACE CONFIGURATION, OR FOR DISPLAYING ED
UCATION MATERIAL
OR STUDENT'S WORK

2 434/379 (0 OR, 2 XR)

Class 434 : EDUCATION AND DEMONSTRATION
434/365 MEANS FOR DEMONSTRATING APPARATUS, PRODUCT, OR
SURFACE CONFIGURATION, OR FOR DISPLAYING E

10040221_CLSTITLES.txt

DUCATION MATERIAL

OR STUDENT'S WORK

434/379 .Demonstration or display of electrical
apparatus or component

2 446/901 (0 OR, 2 XR)

Class 446 : AMUSEMENT DEVICES: TOYS
446/901 DETACHABLY ADHESIVE

2 455/414 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS
455/403 RADIOTELEPHONE SYSTEM
455/414 .Special service

2 455/432 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS
455/403 RADIOTELEPHONE SYSTEM
455/422 .Zoned or cellular telephone system
455/432 ..Roaming

2 455/524 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
455/500 .Plural transmitters or receivers (i.e., more
than two stations)
455/507 ..Central station (e.g., master, etc.)
455/517 ...To or from mobile station
455/524Multiple base stations

2 701/117 (1 OR, 1 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/117 .Traffic analysis or control of surface vehicl

e

2 701/16 (2 OR, 0 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/3 .Aeronautical vehicle
701/16 ..With indication or control of landing

2 701/19 (1 OR, 1 XR)

10040221_CLSTITLES.txt

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

701/19 .Railway vehicle

2 701/216 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/213 ..Using Global Positioning System (GPS)

701/214 ...Means to improve accuracy of position or
location

701/216Having an self-contained position computin
g
means (e.g., dead reckoning)

2 701/217 (1 OR, 1 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/217 ..Using dead-reckoning apparatus

2 701/24 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

701/23 .Automatic route guidance vehicle

701/24 ..On-board computer interact with a host
computer

2 701/300 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/300 RELATIVE LOCATION

2 701/45 (1 OR, 1 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

701/36 .Vehicle subsystem or accessory control

~ 701/45 ..Control of vehicle safety devices (e.g.,
airbag, seat-belt, etc.)

10040221_CLSTITLES.txt

2 701/50 (1 OR, 1 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/50 .Construction or agricultural-type vehicle
(e.g., crane, forklift)

2 707/100 (0 OR, 2 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES
707/100 DATABASE SCHEMA OR DATA STRUCTURE

2 707/6 (0 OR, 2 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES
707/1 DATABASE OR FILE ACCESSING
707/3 .Query processing (i.e., searching)
707/6 ..Pattern matching access

2 707/8 (0 OR, 2 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES
707/1 DATABASE OR FILE ACCESSING
707/8 .Concurrency (e.g., lock management in shared
database)

2 707/9 (0 OR, 2 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES
707/1 DATABASE OR FILE ACCESSING
707/9 .Privileged access